

REMARKS:

Regarding specification objections:

The specification objections are overcome by the amendments for the specification.

A substitute specification is enclosed herewith. The applicant declares that no new matter is introduced into the amended specification.

Regarding the Claim rejections - 35 USC 112:

The rejections are overcome by the amendments for the claims.

The term "ever roller" is corrected as an even roller, which has a function for making the passed down branch fibers even.

The term "brambly roller" means a roller has many thorns on its surface. The brambly roller has a function for combing down branch fibers.

The term "subsiding room" means a room for subsiding floating down branch fibers down.

The term "Port is bar sharp" is corrected as the port has a bar shape cross section.

The term "chambers are through" means some chambers are connected and communicated together.

The term "inhaling chambers" means these chambers have negative air ~~pressure,~~pressure; therefore these chambers inhale air from outside to inside of the chambers.

Regarding claim Rejections - 35USC 102

Currently amended claim 15 overcomes the rejection 3, therefore it is patentable.

The currently amended claim 15 (refer as amended claim 15 thereafter) has many important differences with the Pinto (2002/0004970) as follows:

A. The product made by the amended claim 15 is a kind of yarn that raw material wraps the yarns or long silk yarns or a kind of yarn made by the raw material only. The raw material is down branch fibers or a mixture of down branch fibers with textile fibers. All these products are for woven.

Pinto' device is for forming **non-woven** fiber fabrics or webs (paragraph 002).

The amended claim 15 is for forming **woven** fiber fabrics; it is totally different from Pinto.

B. The amended claim 15 has two dust cages connected with the discharging port coincidentally, each dust cage has a inhaling chamber to create negative pressure, the two dust cages turn to pull the raw material pass through the discharging port and themselves to form a even and continual raw material bar.

Pinto teaches nothing about that.

C. In the amended claim 15, an up-inclined feeding belt conveyer having fan shape tooth located at the end of the feeding

belt for feeding the raw materials up, the up-inclined feeding, fan shape tooth and the speed of the feeding belt conveyer control the fed quantity of the raw material and insure the fed raw materials being continuous equably.

Pinto' device, the arrangement of his device is vertical, he teach nothing about these characters mentioned above. Amended claim 15 has better feeding ability in controlling and equality. They are very important for making down branch finer yarn.

D. The amended claim 15 has first subsiding room and second subsiding room for subsiding floating down branch fibers down twice, which insure the down branch fibers or down branch fiber with textile fibers be equably mixed. They are very important for making down branch finer yarn.

Pinto teaches nothing about that.

The applicant respectfully reads the Examiner remark:

"Pinto teaches a device comprising -----inclined feeding belt (42)----and suction rollers (46)." (OA P4 line 9 to 10)

However, the applicant cannot agree the remark.

The inclined feeding belt (44) feeds raw materials down, it is different from the inclined feeding belt of present invention feeds raw materials up. Therefore, Pinto's feeding belt (44) cannot get the result for controlling the feeding speed for raw material.

The suction rollers (46) are not suction rollers. There is no negative air pressure chamber existing in the roller. They are compression rolls. (see [0047][0049] of Pinto)

Apparently, the above listed differences are non-obvious to an ordinary skill person in this art. Therefore, the currently amended claim 15 is patentable over the Pinto (2002/0004970).

The currently amended claim 16 further defines the amended claim 15 by the new characters of raw material is down branch fiber. It is allowable as the amended claim 15 is allowable.

The new claim 17 further defines the amended claim 15 by the new characters of the two dust cages have same turning direction, therefore the two dust cages twist the raw material bar becoming raw material yarn. Pinto teaches nothing about that. Therefore, it is allowable.

The new claim 18 further defines the amended claim 17 by the new characters of that yarns or long silk yarns as heart yarns is guided into the inner of the raw material bar, thereby the two dust cages twist the raw material bar becoming a kind yarn that raw material wrap the yarns or long silk yarns. Pinto teaches nothing about that. Therefore, it is allowable.

The new claim 19 further defines the amended claim 15 by the new characters of that the turn direction of the adjustable even roller at the side of up-inclined feeding belt conveyer is opposite to the moving direction of the up-inclined feeding belt conveyer. Pinto teaches nothing about that. Therefore, it is allowable.

The new claim 20 further defines the amended claim 15 by the new characters of that even roller and the brambly dividing roller have opposite turn direction. Pinto teaches nothing about that. Therefore, it is allowable.

The new claim 21 further defines the amended claim 15 by the new characters of that the two dust cages consist of a groove with bar shape. Pinto teaches nothing about that. Therefore, it is allowable.

The new claim 22 further defines the amended claim 15 by the new characters. It is allowable as the amended claim 15 is allowable.

The amendments are fully supported by the specification. No new matter is introduced into the amended claims. The supports can be found in the substitute specification:

P4 line 4 to P5 line 15
P5 line 24 to P6 line 16
P7 line 11 to P8 line 8
P11 line 4 to line 9

For all of the above reasons, applicant submits that the specification, claims and abstract are now in proper form, and that the claims all define patentably over the prior art. Therefore, applicant respectfully requests that a timely Notice of Allowance be issued in this case.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Tianhua Gu". The signature is stylized with a cursive, flowing script.

Tianhua Gu
Reg. No. 52480
Global IP Services (56352)
Tel. No. 650-988-6890